Abstract of the Disclosure

A method and apparatus for performing bandedge equalization. Specifically, the apparatus contains a pre-equalizer for adjusting the amplitudes of the bandedges of a broadband signal in response to a control signal. A bandedge filter is connected to the pre-equalizer and extracts a bandedge signal from the broadband signal. Lastly, a bandedge signal processor that is connected to the bandedge filter generates the control signal in response to said bandedge signal. In this manner, when the bandedges of the broadband signal are asymmetric, the apparatus adjusts the signal strength of each bandedge with respect to one another to equalize (balance) the bandedges. The balanced signal can then be used by a bandedge timing recovery circuit. As such, the accuracy of a bandedge timing recovery circuit is not impacted by the asymmetric bandedges of the input signal.